

Title (en)
SPACE DIVERSITY METHOD

Title (de)
RAUMDIVERSITÄTSVERFAHREN

Title (fr)
PROCEDE EN DIVERSITE D'ESPACE

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Application
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Abstract (en)
[origin: EP2383904A1] A space diversity method is disclosed in the present invention, and the method comprises: setting space-frequency block coder (SFBC) based on Alamouti coder as the minimum unit of space-time coder; orthogonally processing the SFBC to acquire the transmission signals of part of antenna ports in eight antenna ports, and cyclically delaying the acquired transmission signals of antenna ports to obtain the transmission signals of the rest antenna ports; transmitting the acquired transmission signal in the corresponding time and sub-carrier by each antenna port. A space diversity device is also disclosed in the present invention, and the device comprises the following parts: an orthogonal processing module, a signal cyclic delay module and a transmitting module. With the method and device of the present invention, the eight-antenna data transmission in the long time evolution (LTE) advanced system is achieved, and better diversity gain is acquired without adding extra pilot overhead.

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H04B 7/0671 (2013.01 - EP US); **H04B 7/068** (2013.01 - EP US)

Citation (search report)
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